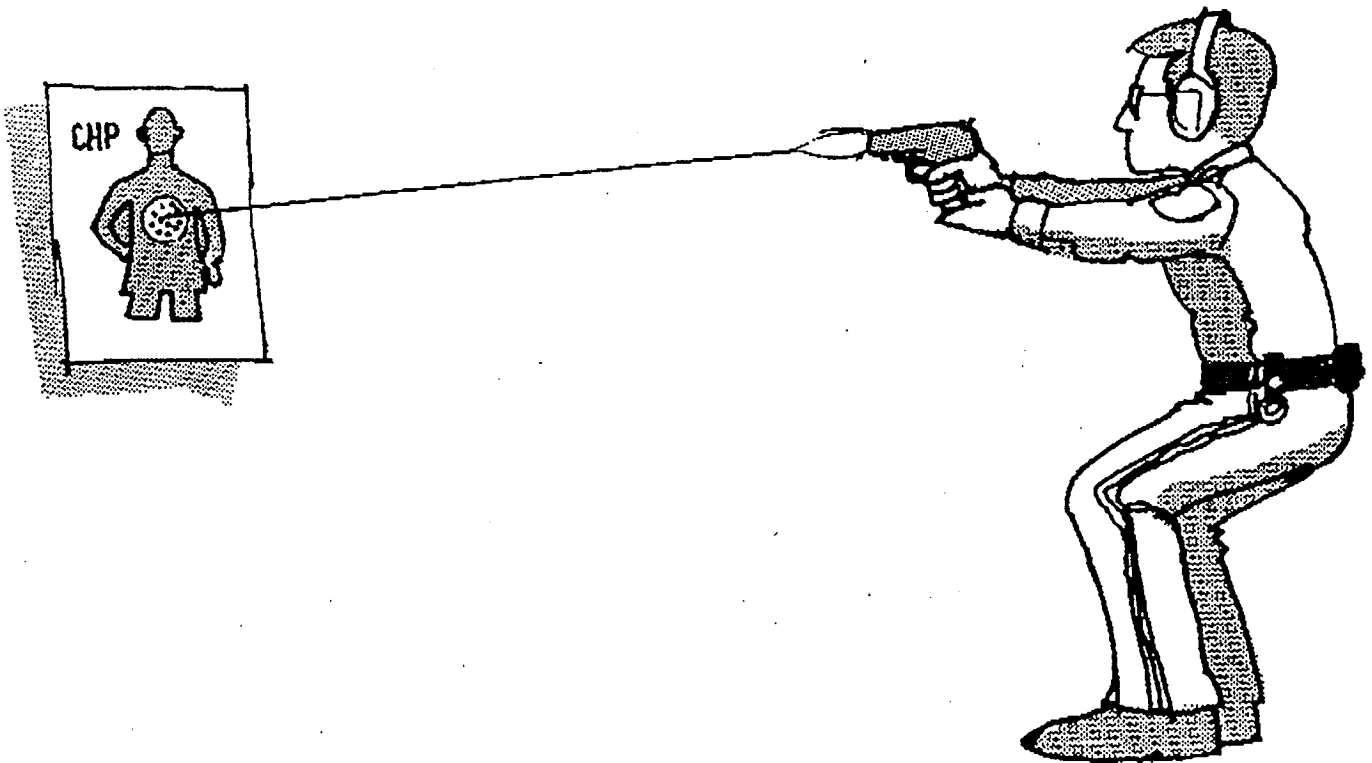


# NINE MILLIMETER SEMIAUTOMATIC PISTOL

## A FIELD EVALUATION DESIGN



Department of California Highway Patrol  
Operational Planning Section  
December 1988

**CALIFORNIA HIGHWAY PATROL**

**NINE MILLIMETER SEMIAUTOMATIC PISTOL**

A FIELD EVALUATION DESIGN

**OPERATIONAL PLANNING SECTION**

**FOR DEPARTMENTAL USE ONLY**

**DECEMBER 1988**

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# NINE MILLIMETER SEMIAUTOMATIC PISTOL

## FIELD EVALUATION DESIGN

### I. INTRODUCTION

State Traffic Officers of the California Highway Patrol (CHP) have indicated to departmental management a very strong interest in carrying nine millimeter (9mm) semiautomatic pistols on duty. At the request of Executive Management, Operational Planning Section (OPS) has developed this design for the field evaluation of these weapons (pistols).

### II. BACKGROUND

Military services and police agencies have been changing over to semiautomatic weapons from revolvers, since the latter part of the Nineteenth Century. It is now extremely rare to find a major military or law enforcement agency anywhere in the world which does not issue semiautomatic handguns to their personnel, or permit their optional use.

The past decade has seen a significant increase in the use of high (cartridge) capacity pistols. Some models feature a clip capacity of up to nineteen rounds. A concurrent development during this period has been the rise of Special Weapons and Tactical (SWAT) teams. These teams were developed to deal with hostage or barricaded subject situations. The SWAT officer has an extremely difficult and dangerous job. A recent study indicated that members of such units are ten times more likely to be involved in shootings than their uniformed counterparts. Most SWAT shootings involve the use of handguns by their officers. No SWAT teams use revolvers. All members utilize semiautomatic pistols, though the calibers may vary somewhat.

Double-action semiautomatic pistols have been the choice of those agencies seeking state-of-the-art advantages. Even though many models feature manual safeties, the preferred method of carry is with the safety off, in order to prevent any possibility of confusion during stressful moments. Such safeties are, instead, referred to as "decocking levers," which allow officers to safely clear the weapons without risking accidental discharges.

The U.S. Department of Defense has contributed to the clamor for changeover to high capacity, 9mm, double-action pistols. All armed forces of the nation changed over to the Berreta 92F in 1985, following extensive laboratory and field tests. The former military handgun was also a semiautomatic pistol (.45 ACP). The technological advances of the 9mm pistols made change-over the obvious choice for an armed force which strives to at least keep pace with military personnel throughout the world.

It has been estimated that as many as 400 law enforcement agencies nationwide have changed over to 9mm pistols in the past 18 months. In April 1988, OPS surveyed the various Field

commands of the Department in order to ascertain the level of interest in participating in an evaluation of 9mm pistols. The response was overwhelming, as indicated in Table 1.

Total Survey Respondents	4805
Volunteers for the Evaluation	4019 (84%)
Volunteers Experienced in Carrying Semiautomatic Pistols (Any Caliber)	2737 (57%)

TABLE 1: Total Respondents

Executive Management previously indicated that any Areas which are chosen to participate in a field evaluation shall demonstrate 100% interest within the command. Twenty of the ninety-eight Areas (Table 2) and all eight Investigative Services Units (ISUs) (Table 3) responded that all Traffic Officers and Sergeants were willing to participate in the field evaluation.

<u>COMMAND</u>	<u>PERSONNEL</u>
NORTHERN DIVISION	
Garberville .....	22
Susanville .....	18
Yreka .....	27
VALLEY DIVISION	
Truckee .....	34
Bridgeport .....	15
Chico .....	22
Stockton .....	66
Woodland .....	32
GOLDEN GATE DIVISION	
San Francisco .....	84
Solano .....	67
CENTRAL	
Sonora .....	18
SOUTHERN DIVISION	
West Los Angeles .....	80
BORDER DIVISION	
Winterhaven .....	21
Blythe .....	19
Rancho California .....	42
INLAND DIVISION	
Bishop .....	21
Needles .....	19
Ontario .....	69
Arrowhead .....	24
TOTALS (20)	719

TABLE 2: 100% Interest Area Commands

<u>DIVISION</u>	<u>PERSONNEL</u>
NORTHERN .....	11
VALLEY .....	16
GOLDEN GATE .....	18
CENTRAL .....	17
SOUTHERN .....	34
BORDER .....	20
COASTAL .....	08
INLAND .....	13
TOTAL	137

TABLE 3: 100% Interest Investigative Services Units

The survey of the Field commands also sought to identify the compatibility of the various calibers and styles of weapons within the state-wide law enforcement community. To that end, local Areas were requested to survey the allied agencies (police and sheriff's departments only) within the geographical confines of their commands. Annex A contains the results of the allied agency survey, by county.

There are 406 police and sheriff's departments in California. Table 4 summarizes the distribution of weapons, by caliber, which allied agency uniformed personnel are allowed or required to carry. Clearly, 9mm is the most common.

CALIBER	.38	.357	9mm	.45ACP	.45LC	.41	.44	ANY
AGENCIES (406)*	219	226	260	194	16	13	24	11

\* Total number of allied agencies statewide.

TABLE 4: Weapon Calibers Among Allied Agencies

Allied agencies have undertaken extensive changeover to 9mm and .45 caliber semiautomatic pistols, as illustrated in Table 5.

SEMI-AUTOMATIC PISTOLS PERMITTED TO BE CARRIED	9mm only	.45 only	9mm or .45	Either 9mm or .45 or both
NUMBER OF AGENCIES PERMITTING SEMI-AUTOMATIC PISTOLS TO BE CARRIED	110 (27%)*	65 (16%)*	260 (64%)*	336 (83%)*
PERSONNEL CARRYING SEMI-AUTOMATIC PISTOLS	28,043 (55%)**	4,780 (9%)**	39,979 (79%)**	44,400 (88%)**

\* Percentage of total allied agencies statewide (406 police and sheriff's departments) permitting semiautomatic pistols to be carried.

\*\* Percentage of total allied agency personnel statewide (50,568) involved in carrying semiautomatic pistols.

TABLE 5: Agencies and Personnel Involved in the Carry of Semiautomatic Pistols

Table 6 illustrates the number of agencies which permit the use of semiautomatic pistols, while allowing their personnel to carry revolvers.

DEPARTMENTS USING .38 AND/OR .357 AND PERMITTING:		
	<u>AGENCIES</u>	<u>PERSONNEL</u>
9MM ONLY .....	207 (51%)*	36,017 (71%)**
9MM AND/OR .45 ACP .....	247 (61%)*	38,745 (77%)**

\* Percentage of total allied agencies statewide (406 police and sheriff's departments) permitting semiautomatic pistols to be carried.

\*\* Percentage of total allied agency personnel statewide (50,568) involved in carrying semiautomatic pistols.

TABLE 6: Agencies Mixing Revolvers and Pistols

### III. PURPOSE

The purpose of the field evaluation is to provide departmental management with Field use feedback and data which can serve as a basis for future weapon use policy and procurement.

### IV. OBJECTIVE

The objective of the field evaluation is to identify which model(s) best suits the needs of departmental personnel.

### V. GOAL

The goal of the field evaluation is to produce a final report which compares the salient features of 9mm semiautomatic pistols. The findings should guide future decisions regarding the selection of on-duty weapons for uniformed employees.

### VI. SCOPE

Ten models of weapons will be evaluated. These weapons are produced by the five manufacturers whose semiautomatic pistols are the most widely used within the law enforcement community. There is no implication that other models, or other brands, are unsuited for law enforcement use. Limited resources and essential Field operations dictate that the evaluation merely involve those weapons which are most commonly purchased by law enforcement agencies. Without this limitation, scores of models (from many manufacturers) would have to be compared, in order to evaluate the entire market of double-action 9mm semiautomatic pistols.

### VII. FIELD EVALUATION PERIOD

The Field Operations phase is tentatively scheduled to commence on January 2, 1989, and terminate on December 31, 1989. The date of commencement is tentative because the following action steps must be accomplished before the weapons are carried by on-duty personnel:

- Selection and acquisition of holsters, magazine pouches, and other ancillary equipment.
- Acquisition of ammunition (there is a shortage due to high worldwide demand).
- Armorer training of Academy gunsmiths by all five manufacturers.
- Acquisition and preliminary testing/examination of all test weapons before issuance to test subjects.



- Training of trainers (Area/Division Pistol Coordinators).
- Initial training of test subjects (the practice throughout the law enforcement community is at least 24 hours).

Regardless of the date of the commencement of the evaluation, the Field Operations phase will last one year. Review of related literature has been ongoing since December 21, 1987, and will continue throughout the Field Operations phase. Similarly, examination of the related experiences of allied agencies has been ongoing since that date. Operational data will be collected, sorted, batched and submitted to OPS by Area/Division Pistol Coordinators, throughout the evaluation period. Analysis of the data will be accomplished by OPS, tentatively, from January 12, 1990 through March 1990 (or during the three months following the field evaluation, should the tentative commencement date be delayed).

### VIII. PROGRAM ELEMENTS

#### A. FIELD OPERATIONS PHASE

##### 1. EVALUATION COMMANDS

<u>COMMAND</u>	<u>CODE</u>	<u>NUMBER OF TEST SUBJECTS</u>
Garberville Area	126	23
Bridgeport Area	225	17
Solano Area	365	67
Golden Gate Division ISU	316	18
Valley Division ISU	212	16
Governor's Protective Unit	001	03
Northern Drug Task Forces	Varied	05
Valley Drug Task Forces	Varied	07
Golden Gate Drug Task Forces	Varied	<u>06</u>
TOTAL		162

##### 2. SITE SELECTION CRITERIA

Executive Management indicated that it would be desirable to evaluate the weapons from the perspective of road patrol personnel and specialized unit personnel. Therefore, three Area commands, two ISUs, the Governor's Protective Unit, and three drug task forces are test sites. The specialized units generally experience

similar working conditions statewide. The Area commands have diverse working conditions. The following advantages were identified in recommending the three chosen Areas as test sites:

Garberville Area

High Felony Exposure  
Mini-14 Rifle Experience  
Humidity  
Cold Weather  
Allied Agency Compatibility - 2/2  
Semiautomatic Pistol Experience - 71%

Solano Area

Proximity to Academy Gunsmith  
High Felony Exposure  
Mini-14 Rifle Experience  
Humidity  
Seniority  
Scale Facility  
Allied Agency Compatibility - 7/7  
Semiautomatic Pistol Experience - 89%

Bridgeport Area

Severe Cold  
Wind, Dust, Sand  
Semiautomatic Pistol Experience - 71%

3. PERSONNEL

All ranks of sworn personnel within each evaluation site will participate. Test weapons will remain in those commands; they will not transfer with employees outside of the evaluation commands. Personnel who transfer into a test site will be required to participate in the field evaluation. A Comm-Net message advising all uniformed employees of this rule will be disseminated (Annex B). There will be no distinction made between the various specialty assignments (i.e., commander, MRE, public affairs, court liaison, scale facility officer). One of the objectives of the evaluation is to evaluate the 9mm pistol in a wide variety of assignments.

4. TRAINING

All personnel involved in the Field Operations phase of the evaluation will be required to undergo an intensive initial qualification period. Monthly requalification training will also be required. All involved commands will be testing all brands of weapons simultaneously. Personnel within each command will interchange weapons with one another. Each command will rotate weapons among their personnel after approximately two months. Table 7 depicts a tentative rotation schedule.

January 2-9 .....	Initial Training With Pistol #1
January 9 - February 9 .....	Carry Pistol #1
February 9-16 .....	Requalify With Pistol #1
February 16 - March 16 .....	Continue To Carry Pistol #1
March 16-19 .....	Initial Training With Pistol #2
March 19 - April 19 .....	Carry Pistol #2
April 19-22 .....	Requalify With Pistol #2
April 22 - May 22 .....	Continue To Carry Pistol #2
May 23-26 .....	Initial Training With Pistol #3
May 26 - June 26 .....	Carry Pistol #3
June 26-29 .....	Requalify With Pistol #3
June 29 - July 29 .....	Continue To Carry Pistol #3
July 29 - August 1 .....	Initial Training With Pistol #4
August 1 - September 1 .....	Carry Pistol #4
September 1-4 .....	Requalify With Pistol #4
September 4 - October 4 .....	Continue To Carry Pistol #4
October 4-7 .....	Initial Training With Pistol #5
October 7 - November 7 .....	Carry Pistol #5
November 7-10 .....	Requalify With Pistol #5
November 10 - December 10 .....	Continue To Carry Pistol #5
December 10 - December 31 .....	Final Comparison Questionnaires

TABLE 7: Tentative Pistol Rotation Schedule

## 5. WEAPONS DISTRIBUTION

The evaluation proposes to examine the features of two sets of weapons — high capacity models and standard capacity models. Solano, Garberville, and Bridgeport Areas will evaluate the following high capacity models:

Smith & Wesson Model 659

Sig-Sauer Model P226

Glock Model 17

Heckler-Koch Model P7M13

Beretta Model 92F

All other participants in the evaluation will carry the following easily concealed (standard capacity) models:

Smith & Wesson Model 439

Sig-Sauer Model P225

Glock Model 19

Heckler-Koch Model P7M8

Beretta Model 92F Compact

Photographs of all models except the Glock 19, Heckler-Koch P7M13, and Beretta 92F Compact are included as Annex C (these three weapons were unavailable at the time the evaluation design was being formulated). Annex D contains vital information regarding the physical and mechanical features of all ten pistols.

## 6. WEAPONS ACCOUNTABILITY

All weapons will be initially shipped to the CHP Academy for examination by qualified staff. Staff will then make entries into the Master Security Log for each test command, indicating pertinent identification and qualitative data. The Log's function is to ensure the security of weapons, record the chain of custody, and track repairs. Annex E contains a sample of the Log.

The weapons will be shipped, after examination by Academy staff, with the Logs to the Area/Division Pistol Coordinator who shall ensure that the record-keeping requirements of the evaluation are performed efficiently. It is strongly recommended that all Logs be kept in a secure, locked area, in a location which is separate from that of the spare weapons.

Upon completion of each command's participation in the evaluation, the weapons, related equipment, and Master Security Logs will be returned to the CHP Academy staff for re-examination. Academy staff will complete the final entries in the Logs before returning the weapons to the distributors. Area/Division Pistol Coordinators are reminded to retain copies of the Logs in the Area office, until OPS advises that all accountability has been concluded to the satisfaction of the distributors.

Tracking of holsters, magazines and magazine pouches shall be accomplished by means of credit memoranda between the Academy staff, Stores and Equipment Section, and Area/Division Pistol Coordinators. The details of tracking this equipment will be explained to the Area/Division Pistol Coordinators at the time of their training at the CHP Academy.

## 7. SPARES AND REPAIRS

Field commands and the Academy will maintain a selection of spare weapons, as reflected in Table 8 below:

<u>HIGH - CAPACITY MODELS</u>		
<u>COMMAND</u>	<u>TEST WEAPONS</u>	<u>SPARES</u>
SOLANO AREA	67	10
BRIDGEPORT AREA	17	05
GARBERVILLE AREA	23	05
ACADEMY		18
<u>TOTALS</u>	<u>107</u>	<u>38 = 145 + 5 = 29 of each model</u>
<u>REGULAR - CAPACITY MODELS</u>		
GOLDEN GATE ISU	18	05
GOLDEN GATE DRUG TASK FORCES	06	
VALLEY ISU	16	05
VALLEY DRUG TASK FORCES	07	
GOVERNOR'S PROTECTIVE UNIT	03	
NORTHERN DRUG TASK FORCES	05	05
ACADEMY		15
<u>TOTALS</u>	<u>55</u>	<u>30 = 85 + 5 = 17 of each model</u>

TABLE 8: Spare Weapons Distribution

If a mechanical malfunction occurs which involves test weapons, the Area/Division Pistol Coordinator may only undertake that level of repair for which he/she has been trained. Authorized local maintenance will be made known to the coordinators during their initial training session at the Academy. Coordinators shall contact the Academy Gunsmith in the event that weapons are in need of repair. Coordinators shall not allow any other person(s) to dismantle or otherwise tamper with the mechanical features of the test weapons. Not only does **SAFETY** dictate that this policy exist, it must be remembered that these weapons are not the property of the Department.

## 8. ADMINISTRATION

### a. EVALUATION COORDINATOR

- (1) The Chief of Planning and Analysis Division (PAD) shall be the Coordinator. Responsibilities of the Evaluation Coordinator include:
  - (a) Overseeing all aspects of the evaluation.
  - (b) Keeping Executive Management apprised of the status of the evaluation.

### b. EVALUATION MANAGER

- (1) The Commander of OPS shall be the Evaluation Manager. Responsibilities of the Evaluation Manager include:
  - (a) Monitoring evaluation progress.
  - (b) Reviewing and approving final evaluation documents.
  - (c) Acting as liaison between Field commands and the Evaluation Coordinator.
  - (d) Advising the Evaluation Coordinator of problems affecting the evaluation, and making recommendations for resolution.
  - (e) Overseeing data collection, analysis, and report preparation.

### c. EVALUATION OFFICER

- (1) The Manager of OPS Planning Unit I shall be the Evaluation Officer. Responsibilities of the Evaluation Officer include:
  - (a) Coordinating assistance to commands participating in the evaluation.
  - (b) Preparing project documents.
  - (c) Collecting data to be studied.
  - (d) Analyzing data.
  - (e) Making presentations, as required.
  - (f) Providing liaison between the Department and product distributors.

- (g) Preparing a final report.
- (h) Informing the Evaluation Manager of problems affecting the evaluation, and making recommendations for resolution.

d. TRAINING SUPERVISOR

- (1) The supervisor (Sergeant) of the CHP Academy Weapons Training staff shall be the Training Supervisor. Responsibilities of the Training Supervisor include:
  - (a) Ensuring that a training program is designed and presented to the Area/Division Pistol Coordinators.
  - (b) Selecting coordinators and other personnel to assist with training, equipment selection and acquisition, weapons inspections, ammunition selection, and reports which emanate from involved Academy staff.
  - (c) Overseeing the continuity and success of the Field Operations phase of the evaluation.
  - (d) Informing the Evaluation Officer of problems affecting the evaluation, and making recommendations for resolution.

e. AREA/DIVISION PISTOL COORDINATORS

- (1) The designated uniformed employees of each test site shall be Area/Division Pistol Coordinators. Responsibilities of Area/Division Pistol Coordinators include:
  - (a) Ensuring that the **SAFETY** requirements of the training program remain paramount in the minds of all participants.
  - (b) Providing training to evaluation participants, as delineated in the approved training program.
  - (c) Ensuring the security of weapons and all related equipment through prudent practices and adherence to the procedures contained within this evaluation design.
  - (d) Withdrawing defective weapons from the program, and arranging for spares to be issued. This includes sending suspected defective weapons to the Academy, or other designee, for examination.

- (e) Distributing, collecting, tallying, and batching questionnaires and control sheets.
- (f) Advising the Training Supervisor of problems affecting the evaluation, and making recommendations for resolution.

## 9. UNION LIAISON

This evaluation is being conducted in response to a request from the California Association of Highway Patrolmen (CAHP), which is the bargaining agent for Unit 5 (Traffic Officers). Executive Management has kept the CAHP advised of the progress of the evaluation, through the Office of Employee Relations (OER). Managers and coordinators of the program will continue to respond through OER to inquiries from the CAHP. Representatives of the CAHP have been granted permission to observe the training phase of the evaluation.

## B. LITERATURE REVIEW

### 1. ALLIED AGENCIES

The "Background" section of this evaluation design (see Section II) describes the proliferation of the 9mm pistol within the law enforcement community at large. A vast amount of related studies and reports have been amassed by OPS and Academy staff. The literature has been utilized, to some extent, to guide the design of this evaluation. Those sources will be further utilized in the final report, as necessary, to draw the issue to a useful conclusion. The following agencies have generously submitted their reports and studies for CHP review:

- Connecticut State Police
- Fresno, CA Sheriff's Department
- Georgia Department of Public Safety
- Los Angeles Police Department
- Los Angeles Sheriff's Department
- Maryland State Police
- Miami, FL Police Department
- Michigan State Police
- Montana Highway Patrol
- New Jersey State Police
- Ohio State Highway Patrol
- Sacramento, CA Police Department
- St. Paul, MN Police Department
- Tennessee Department of Public Safety
- Utah Highway Patrol
- Washington, D.C. Metropolitan Police Department
- Washington State Patrol



## 2. OTHER PUBLICATIONS

The evaluation will also consider other contributions on the subject, as featured in numerous qualified periodicals and journals. In addition to these, the following agencies or institutions have published articles which have contributed, at least in part, to the design of this evaluation:

Federal Bureau of Investigation  
International Association of Chiefs of Police  
National Institute of Justice  
Smith and Wesson Academy  
United States Drug Enforcement Administration

## IX. PROGRAM EVALUATION AND METHODOLOGY

### A. FIELD INPUT

#### 1. QUESTIONNAIRES

##### a. FIRING RANGE

Each evaluation participant will be required to complete this questionnaire after every session on the firing range. Consequently, the weapons will be evaluated on the firing range after initial qualification training, and during all requalification sessions.

In order to facilitate data analysis for OPS, the Area/Division Pistol Coordinators will be responsible for collecting and batching the questionnaire responses onto control sheets. Originals of the questionnaires and control sheets will be submitted to OPS, with copies retained in the test site. The Firing Range Questionnaires and Control Sheets are contained in Annex F.

##### b. ON-DUTY CARRY

Each evaluation participant will be required to complete this questionnaire before returning each test pistol. The areas of inquiry pertain to the various aspects of comfort and safety which are not identifiable on the firing range.

In order to facilitate data analysis for OPS, the same control sheet method of data collection will be required for this questionnaire. The On-Duty Questionnaires and Control Sheets are contained in Annex G.

### c. WEAPONS COMPARISON

Each evaluation participant will be required to complete this questionnaire before turning in the final (fifth) test weapon. This is the final tallying of impressions, and necessarily requires that each person compare the weapons in various tasks. These tasks are divided between those which were previously explored in the other two types of questionnaires. The comparison has two parts: the "Firing Range" section and the "On-Duty Carry" section. There are other fields of comparison as well (regarding potential for off-duty carry, and "best over-all on-duty weapon"). The copies of previously submitted questionnaires will be provided to the employees in order to assist in the completion of this final evaluation.

Again, the Area/Division Pistol Coordinators will assist the data collection and retrieval process for OPS by utilizing Control Sheets. The Weapons Comparison Questionnaires and Control Sheets are contained in Annex H.

### 2. UNUSUAL INCIDENTS

Area/Division Pistol Coordinators will be advised to ensure that memoranda copies are forwarded to OPS whenever an unusual incident occurs in which the 9mm pistol was involved. Examples include accidental discharges, combat shootings, or assaults in which a suspect takes a weapon (or attempts to take it) away from an officer. Coordinators will be encouraged to provide synopses of any other incidents which pertain to the pistols in the test areas.

### 3. CLEARING BARRELS

Evaluation participants in the three test Areas will be required to utilize the clearing barrels whenever clearing or loading a test weapon, except at the firing range. The barrels should be located at the back door of the facility, outside the building, in the safest possible location. This item is pictured in Annex I.

### B. GUNSMITH INPUT

The Master Security Logs (as indicated in VIII.6. of this evaluation design) contain a feature (the "condition" column) whereby any repairs or other mechanical discrepancies shall be documented. This will encourage accurate tracking of equipment failures, should any occur during the evaluation. Operational Planning Section will analyze repair information from the Master Security Logs, and consider it for possible inclusion in the final report.

C. RELATED RESEARCH

Literature review and information regarding allied agencies' experiences will be monitored by OPS on an ongoing basis during the evaluation period. Relevant data will be included in the final report.

D. FINAL REPORT

The tentative schedule for the evaluation period (as depicted in Table 7) indicates an estimated termination date of December 31, 1989. A final report will be submitted by OPS to PAD approximately March 31, 1990, if the schedule is closely adhered to. Otherwise, the final report will be submitted to PAD three months after the conclusion of the evaluation, regardless of the actual conclusion date.

# **ANNEX A**

## **SURVEY OF ALLIED AGENCIES**

# ALLIED AGENCY WEAPONS

		# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
ALAMEDA COUNTY										
Alameda SO	728		X		X					
Alameda PD	99		X	X	X					
Albany PD	30		X		X	X				
Berkeley PD	176				X					
Emeryville PD	26					X				
Fremont PD	168			X	X	X				
Hayward PD	148		X		X					
Livermore PD	58		X	X	X	X				
Meraga PD	10		X							
Newark PD	56		X	X	X					
Oakland PD	638		X	X						
Piedmont PD	20		X	X						
Pleasanton PD	57		X	X	X	X				
San Leandro PD	86		X	X	X					
Union City PD	55		X		X	X				
ALPINE COUNTY										
Alpine County SO	9		X	X	X	X			X	
AMADOR COUNTY										
Amador County SO	30		X	X		X				
Ione PD	4		X	X	X	X				
Jackson PD	8		X	X		X				
Sutter Creek PD	5		X	X						

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
BUTTE COUNTY									
Butte County SO	47	X		X	X				
Chico PD	50	X	X	X					
Gridley PD	10	X			X				
Oroville PD	23	X	X	X	X				
Paradise PD	26	X	X	X	X				
CALAVERAS COUNTY									
Calaveras SO	34		X	X	X				
City of Angels PD	7				X				
COLUSA COUNTY									
Colusa SO	30	X	X	X	X	X	X	X	
Colusa PD	9	X	X	X	X	X	X	X	
Williams PD	5	X	X						

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
CONTRA COSTA									
Contra Costa SO	518	X	X	X					
Antioch PD	71	X		X	X				
Brentwood PD	10	X	X						
Clayton PD	8	X		X					
Concord PD	137			X					
El Cerrito PD	36	X		X					
Hercules PD	14			X					
Kensington PD	11	X		X					
Martinez PD	39			X					
Pinole PD	20	X			X				
Pittsburg PD	57	X		X					
Pleasant Hill PD	41	X		X					
Richmond PD	172		X						
San Pablo PD	37	X		X	X				
Walnut Creek PD	73	X		X					
DEL NORTE COUNTY									
Del Norte SO	34	X	X						
Crescent City PD	11		X						
EL DORADO COUNTY									
El Dorado SO	116		X	X	X				
Placerville PD	19			X					
S. Lake Tahoe PD	48	X	X	X	X				

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
HUMBOLDT COUNTY									
Humboldt SO	81	X	X	X	X				
Arcata PD	19	X		X	X			X	
Eureka PD	41		X	X	X				
Ferndale PD	3	X	X	X	X				
Fortuna PD	14	X	X	X	X			X	
Rio Dell PD	5	X							
IMPERIAL COUNTY									
Imperial SO	117	X	X	X	X				
Brawley PD	25	X	X	X					
Calxico PD	28		X						
El Centro PD	40	X			X				
Holtville PD	9	X	X	X	X				
Imperial PD	8		X						
Westmorland PD	5		X		X				
INYO COUNTY									
Inyo SO	38		X	X	X				
Bishop PD	12				X				



# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
KERN COUNTY									
Kern SO	584								X
Arvin PD	11			X					
Bakersfield PD	218			X	X				
Bear Valley PD	5								
Calif. City PD	8				X				
Delano PD	31		X						
Maricopa PD	2	X		X	X				
McFarland PD	5			X					X
Ridgecrest PD	28	X							
Shafter PD	10	X	X	X	X	X	X	X	
Stallion Sp. PD	2		X	X	X				
Taft PD	12	X		X	X				
KINGS COUNTY									
Kings SO	67	X		X					
Corcoran PD	15	X	X		X				
Hanford PD	36	X	X		X				
Lemoore PD	20	X	X		X				
LAKE COUNTY									
Lake SO	60	X							
Clearlake PD	21	X	X	X	X	X	X	X	
Lakeport PD	11	X	X	X	X	X	X	X	

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
LASSEN COUNTY									
Lassen SO	22	X		X	X			X	
Susanville PD	13	X	X	X	X			X	
LOS ANGELES COUNTY									
Los Angeles SO	6829	X		X					
Alhambra PD	94	X	X	X					
Arcadia PD	73	X	X	X	X			X	
Azuza PD	58	X		X	X			X	
Baldwin Park PD	63				X				
Bell Gardens PD	42	X	X		X		X		
Bell-Cudahy PD	47	X			X				
Beverly Hills PD	123	X		X	X				
Burbank PD	142	X		X	X				
Claremont PD	41		X		X				
Compton PD	138	X	X	X	X				
Covina PD	53	X	X	X					
Culver City PD	104				X	X		X	
Downey PD	107	X			X				
El Monte PD	106				X				
El Segundo PD	61	X		X	X				
Gardena PD	86	X		X	X				
Glendale PD	181	X		X					
Glendora PD	48			X					

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
LOS ANGELES COUNTY									
Hawthorne PD	84	X	X	X					
Hermosa Beach PD	35				X				
Huntington Park PD	64	X	X	X	X				
Inglewood PD	187	X	X	X	X				
Irwindale PD	18		X	X	X				
La Verne PD	35			X					
Long Beach PD	662	X		X	X	X			
Los Angeles PD	7350	X		X					
Manhattan Beach PD	58	X			X				
Maywood PD	23		X		X				
Monrovia PD	53	X		X	X	X			
Montebello PD	75				X				
Monterey Park PD	72		X						
Palos Verdes Es. PD	23		X					X	
Pasadena PD	206	X							
Pomona PD	147				X				
Redondo Beach PD	104			X					
San Fernando PD	33	X	X	X	X				
San Gabriel PD	49	X	X	X					
San Marino PD	26			X					
Santa Monica PD	152	X		X					
Sierra Madre PD	14	X		X	X				
Signal Hill PD	28	X	X	X	X				

# ALLIED AGENCY WEAPONS

		# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
LOS ANGELES COUNTY										
South Gate PD	89		X	X	X	X				
South Pasadena PD	29									X
Torrance PD	238		X			X				
Vernon PD	47		X			X				
West Covina PD	111			X	X					
Whittier PD	85		X	X	X	X				
MADERA COUNTY										
Madera SO	45			X	X	X				
Chowchilla PD	11				X					
Madera PD	33			X						
MARIN COUNTY										
Marin SO	150			X						
Belvedere PD	6				X					
Fairfax PD	12				X					
Mill Valley PD	20				X					
Novato PD	51			X	X					
Ross PD	7				X					
San Anselmo PD	17				X					
San Rafael PD	73		X	X	X	X				
Sausalito PD	26				X					
Tiburon PD	15				X	X				
Twin Cities PD	33			X						

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
MARIPOSA COUNTY									
Mariposa SO	21		X	X	X				
MENDOCINO COUNTY									
Mendocino SO	80	X	X	X					
Fort Bragg PD	15	X	X	X					
Ukiah PD	24	X	X	X	X				
Willits PD	15	X	X	X	X				
MERCED COUNTY									
Merced SO	76		X	X	X				
Atwater PD	20		X						
Das Palos PD	7	X	X						
Gustine PD	6	X	X	X					
Livingston PD	10			X					X
Los Banos PD	21	X	X						
Merced PD	61		X	X	X				
MODOC COUNTY									
Modoc SO	11								X
Alturas PD	7								X
MONO COUNTY									
Mono SO	20		X		X				
Mammoth Lakes PD	15				X				

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
MONTEREY COUNTY									
Monterey SO	285		X	X					
Carmel PD	19		X						
Del Rey Oaks PD	5		X	X					
Gonzales PD	7		X						
Greenfield PD	1	X							
King City PD	12	X		X					
Marina DPS	26			X	X			X	
Monterey PD	52	X	X	X					
Pacific Grove PD	28				X				
Salinas PD	138		X	X	X				
Sand City PD	2		X						
Seaside PD	38	X	X						
Soledad PD	9		X						
NAPA COUNTY									
Napa SO	61	X	X	X	X				
Calistoga PD	10	X	X						
Napa PD	68	X	X						
Saint Helena PD	12	X		X	X				
NEVADA COUNTY									
Nevada SO	75	X	X						
Grass Valley PD	17		X						
Nevada City PD	7	X	X	X	X				

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
ORANGE COUNTY									
Orange SO	1046	X							
Anaheim PD	325	X		X	X	X			
Brea PD	82	X			X				
Buena Park PD	88	X	X	X	X	X			
Costa Mesa PD	142	X			X				
Cypress PD	49		X	X					
Fountain Valley PD	60	X	X	X	X				
Fullerton PD	150		X		X				
Garden Grove PD	161	X	X		X				
Huntington Beh. PD	209				X				
Irvine PD	118	X			X	X			
La Habra PD	53	X		X					
La Palma PD	22				X				
Laguna Beh. PD	40	X		X	X				
Los Alamitos PD	24				X				
Newport Beach PD	152	X			X	X			
Orange PD	137			X	X				
Placentia PD	47	X		X	X				
San Clemente PD	46				X				
Santa Ana PD	359		X	X	X	X			
Seal Beach PD	41				X				
Stanton PD	33	X							
Tustin PD	64	X							

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
ORANGE COUNTY									
Westminster Pd	90	X	X	X	X				
PLACER COUNTY									
Placer SO	158		X	X	X				
Auburn PD	19		X						
Colfax PD	4		X	X			X		
Lincoln PD	11		X	X					
Rocklin PD	17				X				
Roseville PD	44		X	X	X				
PLUMAS COUNTY									
Plumas SO	33		X	X					
RIVERSIDE COUNTY									
Riverside SO	650	X		X	X				
Banning PD	26	X	X		X				
Beaumont PD	16	X	X	X	X				
Blythe PD	16				X				
Cathedral City PD	34	X		X	X				
Coachella PD	24	X		X					
Corona PD	74	X		X	X				
Desert Hot Sp. PD	14	X	X	X	X	X	X	X	
Hemet PD	35	X	X	X	X		X	X	



# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
RIVERSIDE COUNTY									
Indio PD	47		X	X					
Palm Springs PD	82	X		X	X	X		X	
Perris PD	29		X	X					
Riverside PD	271			X					
San Jacinto PD	25	X		X					
SACRAMENTO COUNTY									
Sacramento SO	863	X	X	X	X				
Folsom PD	22		X		X				
Galt PD	14	X	X	X	X				
Isleton PD	5								X
Sacramento PD	568			X					
SAN BENITO COUNTY									
San Benito SO	19		X	X					
Hollister PD	22			X					
San Juan Bautista PD	3		X	X	X				
SAN BERNARDINO COUNTY									
San Bernardino SO	929	X	X						
Adelanto PD	10	X		X					
Borsetow PD	29			X	X				
Chino PD	76		X		X				

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
SAN BERNARDINO COUNTY									
Colton PD	51			X					
Fontana PD	70		X						
Montclair PD	47	X	X		X				
Needles PD	11	X	X	X	X				
Ontario PD	150	X	X		X				
Redlands PD	63				X				
Rialto PD	76		X		X				
San Bernardino PD	244		X						
Upland PD	65		X		X				
SAN DIEGO COUNTY									
San Diego SO	1131	X		X					
Carlsbad PD	65		X						
Chula Vista PD	137	X		X	X				
Coronado PD	42	X			X				
El Cajon PD	110	X	X	X					
Escondido PD	108		X	X					
La Mesa PD	53	X		X					
National City PD	73	X	X	X	X		X		
Oceanside PD	143		X	X					
San Diego PD	1721	X		X					

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
SAN FRANCISCO COUNTY									
San Francisco SO	393	X	X	X					
San Francisco PD	1973		X	X					
SAN JOAQUIN COUNTY									
San Joaquin SO	327	X	X						
Escalon PD	8	X		X					
Lodi PD	61	X	X	X					
Manteca PD	40	X		X					
Ripon PD	10	X	X	X					
Stockton PD	260	X		X					
Tracy PD	39	X		X					
SAN LUIS OBISPO COUNTY									
San Luis Obispo SO	109	X	X	X	X			X	
Arroyo Grande PD	18			X					
Atascadero PD	25	X	X						
Grover City PD	14		X	X					
Morro Bay PD	17	X		X	X				
Paso Robles PD	28	X	X	X	X				
Pismo Beach PD	15			X					
San Luis Obispo PD	51		X						

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
SAN MATEO COUNTY									
San Mateo SO	304		X						
Atherton PD	19		X						
Belmont PD	32		X	X	X				
Brisbane DPS	16			X					
Broadmoor PD	8			X					
Burlingame PD	46			X					
Colma PD	12		X						
Daly City PD	101	X							X
E. Palo Alto PD	35		X						
Foster City PD	37	X							
Half Moon Bay PD	13			X					
Hillsborough PD	23	X	X	X					
Menlo Park PD	38			X					
Millbrae PD	24		X	X					
Pacifica PD	45			X					
Redwood City PD	78		X		X				
San Bruno PD	47		X						
San Carlos PD	36		X	X	X				
San Mateo PD	109								X
S. San Francisco PD	75		X						

# ALLIED AGENCY WEAPONS

# Sworn		.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
SANTA BARBARA COUNTY									
Santa Barbara SO	224			X					
Corpiateria PD	19	X	X	X					
Guadalupe PD	9			X					
Lompoc PD	36	X		X					
Santa Barbara PD	132	X	X	X					
Santa Maria PD	62			X					
SANTA CLARA COUNTY									
Santa Clara SO	803	X	X	X	X		X	X	
Campbell PD	41		X		X				
Gilroy PD	41	X	X	X	X		X		
Los Altos PD	27	X	X	X	X				
Los Gatos PD	41		X	X					
Milpitas PD	68	X		X	X				
Morgan Hill PD	27	X	X	X	X				
Mountain View PD	79		X	X					
Palo Alto PD	99	X			X				
San Jose PD	1010		X	X	X		X	X	
Santa Clara PD	150		X	X	X	X		X	
Sunnyvale DPS	208			X					

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
SANTA CRUZ COUNTY									
Santa Cruz SO	113	X	X	X	X				
Capitola PD	23		X						
Santa Cruz PD	76			X					
Scotts Valley PD	15	X	X	X					
Watsonville PD	48	X	X						
SHASTA COUNTY									
Shasta SO	151	X	X	X	X				
Anderson PD	14	X	X						
Redding PD	78				X				
SIERRA COUNTY									
Sierra SO	10	X	X	X	X				
SISKIYOU COUNTY									
Siskiyou SO	41	X	X	X					
Dorris PD	2	X	X	X					
Dunsmuir PD	4	X	X	X	X				
Etna PD	1		X						
Fort Jones PD	2	X	X	X					
Lake Shastina PD	3	X	X						
Mount Shasta PD	8	X	X	X	X				
Tulelake PD	3								X

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
SISKIYOU COUNTY									
Weed PD	7	X	X	X	X				
Yreka PD	12			X					
SOLANO COUNTY									
Solano SO	93	X	X	X					
Benicia PD	31		X	X					
Dixon PD	16	X	X	X	X				
Fairfield DPS	77	X		X					
Rio Vista PD	7			X					
Suisun City PD	18			X					
Vacaville PD	58	X	X	X					
Vallejo PD	116		X	X					
SONOMA COUNTY									
Sonoma SO	186		X	X					
Cloverdale PD	9				X				
Cotati PD	10	X	X	X	X				
Healdsburg PD	16		X	X					
Petaluma PD	54		X	X					
Rohnert Park PD	38	X	X	X	X				
Santa Rosa PD	131		X	X	X				
Sebastopol PD	13	X	X						
Sonoma PD	11	X	X	X					

# ALLIED AGENCY WEAPONS

	# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
STANISLAUS COUNTY									
Stanislaus SO	132		X	X					
Ceres PD	30	X	X	X					
Hughson PD	7		X						
Modesto PD	170	X		X	X				
Newman PD	7			X	X				
Oakdale PD	17	X	X	X	X				
Patterson PD	11			X					
Riverbank PD	13		X						
Turlock PD	50			X					
Waterford PD	7			X					
SUTTER COUNTY									
Sutter SO	80	X	X		X				
Yuba City PD	36	X	X		X				
TEHAMA COUNTY									
Tehama SO	44			X					
Corning PD	11		X	X	X				
Red Bluff PD	19	X							
TRINITY COUNTY									
Trinity SO	28	X	X	X	X				



# ALLIED AGENCY WEAPONS

		Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
TULARE COUNTY										
Tulare SO	370		X	X		X				
Dinuba PD	18		X	X	X	X			X	
Exeter PD	11			X	X					
Farmersville PD	9		X	X	X	X				
Lindsay PD	15		X							
Porterville PD	34		X		X	X				
Tulare PD	38		X	X						
Visalia PD	77			X						
Woodlake PD	10		X	X	X	X				
TUOLUMNE COUNTY										
Tuolumne SO	47		X	X	X					
Sonora PD	11		X	X	X					
VENTURA COUNTY										
Ventura SO	557		X		X	X				
Oxnard PD	149				X					
Port Hueneas PD	20				X					
Santa Paula PD	29				X					
Simi Valley PD	88				X					
Ventura PD	114		X							

# ALLIED AGENCY WEAPONS

		# Sworn	.38	.357	9mm	.45 ACP	.45 LC	.41	.44	ANY
YOLO COUNTY										
Yolo SO		44	X		X	X				
Davis PD		47	X	X	X					
Winters PD		7		X		X				
Woodland PD		52		X	X					
YUBA COUNTY										
Yuba SO		63	X	X	X	X				
Marysville PD		21	X		X	X				
Wheatland PD		5	X	X	X	X				

## **ANNEX B**

**COMM-NET TO ALL UNIFORMED EMPLOYEES**

SAMPLE ONLY

MIS COMM-NET MESSAGE

ALL COMMANDERS

PERSONNEL BUREAU

ACTION REQUIRED

SUBJECT: 9MM PISTOL EVALUATION - EFFECT ON TRANSFERS

COMMANDERS SHALL ENSURE THAT ALL UNIFORMED PERSONNEL, INCLUDING THOSE OFF DUTY, ARE MADE AWARE OF THE CONTENTS OF THIS MESSAGE. ADDITIONALLY, THIS MESSAGE SHALL BE POSTED IN A CONSPICUOUS LOCATION FOR THE DURATION OF THE SEMIAUTOMATIC PISTOL EVALUATION (DECEMBER 31, 1989).

THE DEPARTMENT WILL BE CONDUCTING A FIELD EVALUATION OF FIVE BRANDS OF 9MM SEMIAUTOMATIC PISTOLS. THE EVALUATION WILL COMMENCE ON JANUARY 2, 1989 AND CONCLUDE ON DECEMBER 31, 1989. ALL UNIFORMED PERSONNEL (REGARDLESS OF RANK) WITHIN THE FOLLOWING COMMANDS WILL BE PARTICIPANTS:

SOLANO AREA	VALLEY DIVISION INVESTIGATIVE SERVICES (ISU)
BRIDGEPORT AREA	GOLDEN GATE DIVISION ISU
GARBENVILLE AREA	GOVERNOR'S PROTECTIVE UNIT, SACRAMENTO

ADDITIONALLY, ALL UNIFORMED MEMBERS IN THE DRUG TASK FORCES OF NORTHERN, VALLEY, AND GOLDEN GATE DIVISIONS WILL PARTICIPATE IN THE 9MM EVALUATION.

ONE OF THE FEATURES OF THE EVALUATION REQUIRES THAT THE WEAPONS REMAIN IN THE TEST COMMANDS, AND THAT PERSONS WHO TRANSFER OUT OF THE EVALUATION SITES WILL NOT TAKE THE PISTOLS WITH THEM. SIMILARLY, EMPLOYEES WHO WISH TO TRANSFER INTO AN EVALUATION COMMAND WILL BE REQUIRED TO CARRY THE 9MM PISTOL AFTER INITIAL QUALIFICATION TRAINING. UNIFORMED EMPLOYEES WITH TRANSFER REQUESTS ON FILE TO A TEST COMMAND SHALL BE DIRECTED TO CONSIDER THESE ADDITIONAL FACTORS PRIOR TO THE CLOSE OF THE TRANSFER BOOKS, AND MAKE CANCELLATIONS AND AMENDMENTS BEFORE THE DEADLINE DATE.

ALL REQUESTS FOR TRANSFER (CHP 220) WHICH ARE SUBMITTED FOR ASSIGNMENT TO A TEST SITE SHALL BE ANNOTATED BY COMMANDERS IN THE FOLLOWING MANNER:

INDICATE IN THE "REMARKS" SECTION OF BOX B THAT THE EMPLOYEE IS WILLING TO PARTICIPATE IN THE 9MM FIELD EVALUATION.

A COMM-NET MESSAGE WILL BE DISSEMINATED AT THE CONCLUSION OF THE FIELD EVALUATION, REMOVING THE ABOVE INDICATED TRANSFER POLICY.

CHP HDQTRS/OFFICE OF THE COMMISSIONER

1.8492.A7137.4812o

CONFIRMING COPY TO 041

# **ANNEX C**

## **PHOTOGRAPHS OF TEST WEAPONS**

SMITH & WESSON 659



SMITH & WESSON 439





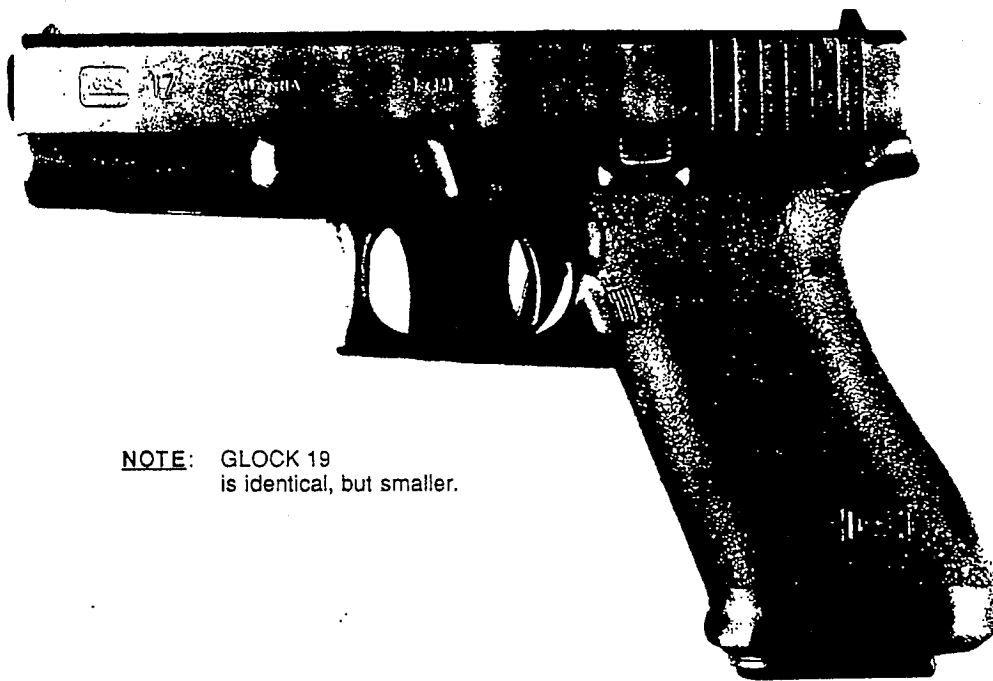
SIG-SAUER P226



SIG-SAUER P225

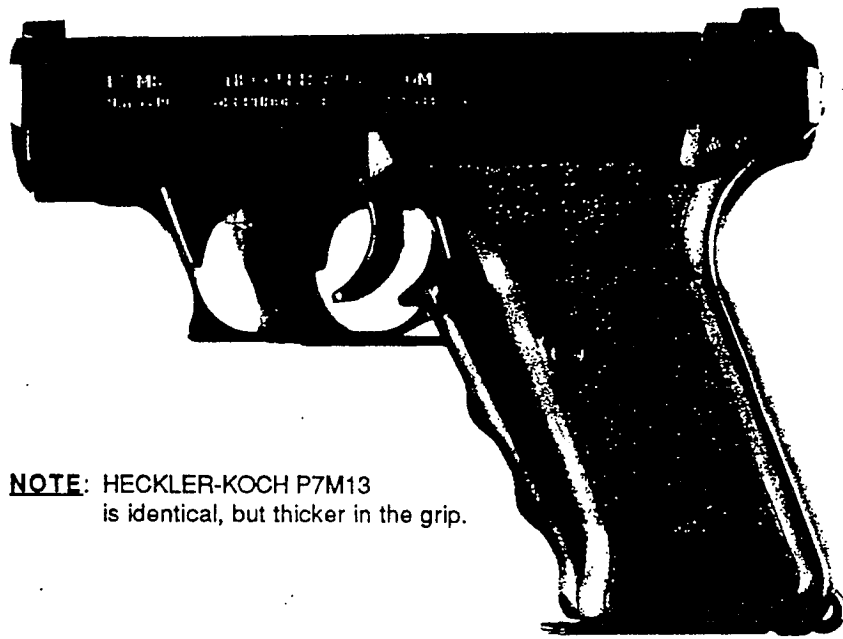


GLOCK 17



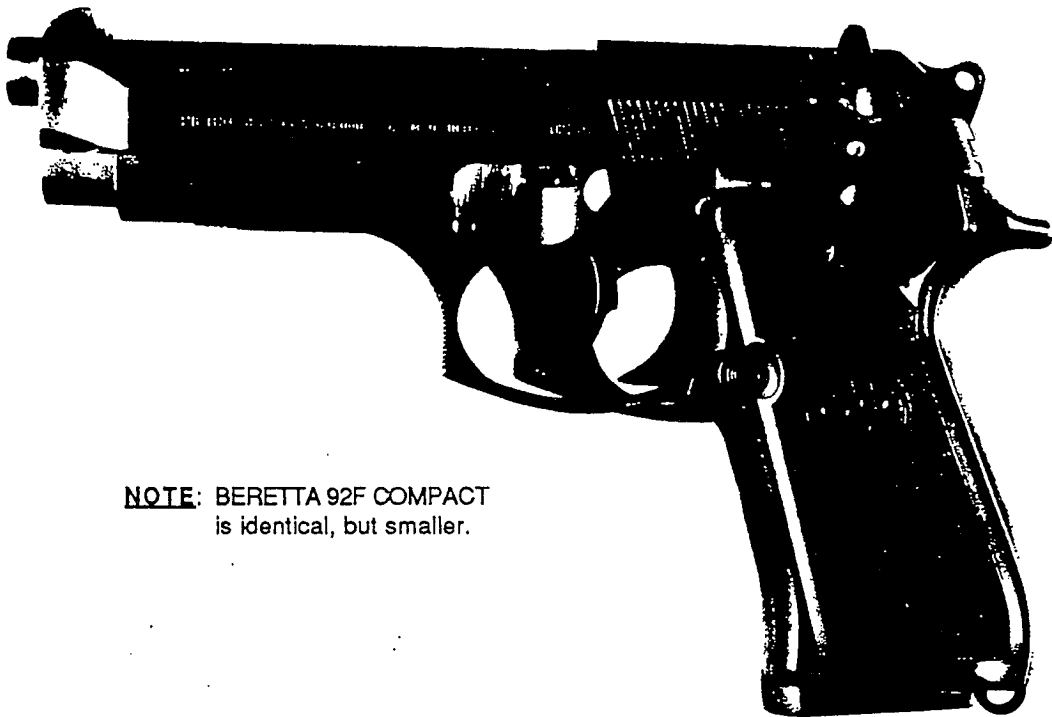
NOTE: GLOCK 19  
is identical, but smaller.

HECKLER-KOCH P7M8



**NOTE:** HECKLER-KOCH P7M13  
is identical, but thicker in the grip.

BERETTA 92F



**NOTE:** BERETTA 92F COMPACT  
is identical, but smaller.

# **ANNEX D**

## **SPECIAL FEATURES OF TEST WEAPONS**

## SPECIAL FEATURES \*

	Finish	Magazine Capacity	Weight Unloaded	Weight Loaded	Physical Dimensions L & H	Illustrated on Page	Safety Mechanism
SMITH & WESSON 659	Stainless	14	39.5 oz.	47 oz.	7.65 x 5.63 in.	C-1	Manual
SMITH & WESSON 439	Blue	8	28.25 oz.	32.4 oz.	7.63 x 5.63 in.	C-2	Manual
SIG-SAUER P226	Blue	15	26.5 oz.	34.oz.	7.71 x 5.47 in.	C-3	None - Decocking Lever Only
SIG-SAUER P225	Blue	8	26.1 oz.	30.1 oz.	7.08 x 5.15 in.	C-4	None - Decocking Lever Only
GLOCK 17	Blue	17	21.7 oz.	30.45 oz.	7.52 x 5.24 in.	C-5	Inside Trigger
GLOCK 19	Blue	15	20.9 oz.	28.4 oz.	6.9 x 4.92 in.	Not Avail.	Inside Trigger
HECKLER-KOCH P7M13	Blue	13	29.7 oz.	39.7 oz.	6.9 x 5.1 in.	Not Avail.	Squeeze Handle
HECKLER-KOCH P7M8	Blue	8	27.3 oz.	33.3 oz.	6.7 x 5.1 in.	C-6	Squeeze Handle
BERETTA 92F	Blue	15	34 oz.	40.9 oz.	8.54 x 5.51 in.	C-7	Manual
BERETTA 92 COMPACT	Blue	13	31.5 oz.	37.5 oz.	7.8 x 5.3 in.	Not Avail.	Manual

\* Based on manufacturers' specification advertisements

# **ANNEX E**

## **MASTER SECURITY LOG**



**CALIFORNIA HIGHWAY PATROL**  
**NINE MILLIMETER SEMIAUTOMATIC PISTOL**

**MASTER SECURITY LOG**

PAGE: \_\_\_\_\_

COMMAND NAME: \_\_\_\_\_ CODE: \_\_\_\_\_

AREA/DIVISION PISTOL COORDINATOR:

DATE	BRAND	MODEL	SERIAL#	RECIPIENT	CONDITION

# LOG CONTINUATION

PAGE: \_\_\_\_\_

DATE	BRAND	MODEL	SERIAL#	RECIPIENT	CONDITION

# **ANNEX F**

## **FIRING RANGE QUESTIONNAIRE AND CONTROL SHEET**

## CALIFORNIA HIGHWAY PATROL

### NINE MILLIMETER SEMIAUTOMATIC PISTOL FIELD EVALUATION - FIRING RANGE QUESTIONNAIRE

**INTRODUCTION:** The Department is currently evaluating the characteristics of various models of 9mm pistols. One of the dimensions of data which is critical to the analysis is the performance of these weapons on the firing range.

The purpose of this questionnaire is to collect subjective information regarding the performance of each model of 9mm pistol on the firing range.

#### **INSTRUCTIONS:**

- This questionnaire shall be completed by all uniformed employees who participate in the field evaluation of 9mm pistols.
- Complete this questionnaire immediately after your initial qualification is accomplished, and after each monthly range session.
- Return this questionnaire immediately after completion to the designated Area Pistol Coordinator.
- Area Pistol Coordinators shall batch the original questionnaires and control sheets, and route them directly to Operational Planning Section no later than the tenth day after each range session. Coordinators shall also retain one copy of each completed questionnaire and control sheet in the Area.

#### **PRINT IN UPPER CASE ONLY**

LAST NAME: \_\_\_\_\_ FIRST NAME: \_\_\_\_\_ ID#: \_\_\_\_\_

LOCATION CODE: \_\_\_\_\_ DATE: \_\_\_\_\_ RIGHT OR LEFT HANDED: \_\_\_\_\_ SEX: \_\_\_\_\_

TEST WEAPON BRAND: \_\_\_\_\_ MODEL: \_\_\_\_\_ SERIAL NUMBER: \_\_\_\_\_

# OF ROUNDS FIRED: \_\_\_\_\_ # OF ROUNDS MISFIRED: \_\_\_\_\_ # OF JAMS: \_\_\_\_\_

(1) I have had previous experience shooting the following semiautomatic pistols, on or off duty (or in the military):  
\_\_\_\_\_

(2) I have qualified with the following revolver(s) while working as a peace officer:  
\_\_\_\_\_

(Continued on next page)

## FIRING RANGE QUESTIONNAIRE

### INSTRUCTIONS (CONTINUED)

- Only one answer shall be selected for each statement.
- Select an answer for each statement by circling the number in the answer column that best describes your opinion.

### ANSWERS

(3) Weapon Feel	1 - Very Heavy 2 - Heavy 3 - Acceptable 4 - Light 5 - Very Light	(3) 1 2 3 4 5
(4) Magazine Insertion Effort (Slide Locked Open)	1 - Very Difficult 2 - Difficult 3 - Moderate 4 - Easy 5 - Very Easy	(4) 1 2 3 4 5
(5) Magazine Insertion Effort (Slide Locked Closed)	1 - Very Difficult 2 - Difficult 3 - Moderate 4 - Easy 5 - Very Easy	(5) 1 2 3 4 5
(6) Magazine Release Placement	1 - Very Inconvenient 2 - Inconvenient 3 - Moderate 4 - Convenient 5 - Very Convenient	(6) 1 2 3 4 5
(7) Magazine Release Effort	1 - Very difficult 2 - Difficult 3 - Moderate 4 - Easy 5 - Very Easy	(7) 1 2 3 4 5
(8) Slide Release Placement	1 - Very Inconvenient 2 - Inconvenient 3 - Moderate 4 - Convenient 5 - Very Convenient	(8) 1 2 3 4 5

(Continued on next page)

## FIRING RANGE QUESTIONNAIRE

### ANSWERS

- |      |                                     |  |      |   |   |   |   |   |
|------|-------------------------------------|--|------|---|---|---|---|---|
| (9)  | Slide Release Effort                | 1 - Very Difficult<br>2 - Difficult<br>3 - Moderate<br>4 - Easy<br>5 - Very Easy                   | (9)  | 1 | 2 | 3 | 4 | 5 |
| (10) | Slide Operation Effort,<br>Manual   | 1 - Very Difficult<br>2 - Difficult<br>3 - Moderate<br>4 - Easy<br>5 - Very Easy                   | (10) | 1 | 2 | 3 | 4 | 5 |
| (11) | Decocking Lever Placement           | 1 - Very Awkward<br>2 - Awkward<br>3 - Moderate<br>4 - Convenient<br>5 - Very Convenient           | (11) | 1 | 2 | 3 | 4 | 5 |
| (12) | Decocking Lever Effort              | 1 - Very Difficult<br>2 - Difficult<br>3 - Moderate<br>4 - Easy<br>5 - Very Easy                   | (12) | 1 | 2 | 3 | 4 | 5 |
| (13) | Safety Placement<br>(If Applicable) | 1 - Very Inconvenient<br>2 - Inconvenient<br>3 - Moderate<br>4 - Convenient<br>5 - Very Convenient | (13) | 1 | 2 | 3 | 4 | 5 |
| (14) | Safety Effort<br>(If Applicable)    | 1 - Very Inconvenient<br>2 - Inconvenient<br>3 - Moderate<br>4 - Easy<br>5 - Very Easy             | (14) | 1 | 2 | 3 | 4 | 5 |
| (15) | Sight Pickup                        | 1 - Very Inconvenient<br>2 - Inconvenient<br>3 - Moderate<br>4 - Convenient<br>5 - Very Convenient | (15) | 1 | 2 | 3 | 4 | 5 |

(Continued on next page)

## FIRING RANGE QUESTIONNAIRE

### ANSWERS

- |      |  |  |      |   |   |   |   |   |
|------|--|--|------|---|---|---|---|---|
| (16) | Accuracy   | 1 - Very Poor<br>2 - Poor<br>3 - Acceptable<br>4 - Accurate<br>5 - Very Accurate         | (16) | 1 | 2 | 3 | 4 | 5 |
| (17) | Sight Characteristics  | 1 - Fixed<br>2 - Adjustable  | (17) | 1 | 2 |   |   |   |
| (18) | Double Action Trigger<br>Pull, Finger Placement                    | 1 - Very Awkward<br>2 - Awkward<br>3 - Moderate<br>4 - Convenient<br>5 - Very Convenient | (18) | 1 | 2 | 3 | 4 | 5 |
| (19) | Double Action Trigger<br>Pull, Effort                              | 1 - Very Heavy<br>2 - Heavy<br>3 - Acceptable<br>4 - Light<br>5 - Very Light             | (19) | 1 | 2 | 3 | 4 | 5 |
| (20) | Single Action Trigger<br>Pull (If Applicable),<br>Finger Placement | 1 - Very Awkward<br>2 - Awkward<br>3 - Moderate<br>4 - Convenient<br>5 - Very Convenient | (20) | 1 | 2 | 3 | 4 | 5 |
| (21) | Single Action Trigger<br>Pull (If Applicable),<br>Effort           | 1 - Very Heavy<br>2 - Heavy<br>3 - Acceptable<br>4 - Light<br>5 - Very Light             | (21) | 1 | 2 | 3 | 4 | 5 |
| (22) | Recoil   | 1 - Very Heavy<br>2 - Heavy<br>3 - Acceptable<br>4 - Light<br>5 - Very Light             | (22) | 1 | 2 | 3 | 4 | 5 |

(Continued on next page)

## FIRING RANGE QUESTIONNAIRE

### ANSWERS

- |      |                               |  |      |   |   |   |   |   |
|------|-------------------------------|--|------|---|---|---|---|---|
| (23) | Recovery Time                 | 1 - Very Slow<br>2 - Slow<br>3 - Average<br>4 - Quick<br>5 - Very Quick                                | (23) | 1 | 2 | 3 | 4 | 5 |
| (24) | One Hand Unsupported Shooting | 1 - Very Difficult<br>2 - Difficult<br>3 - Moderate<br>4 - Easy<br>5 - Very Easy                       | (24) | 1 | 2 | 3 | 4 | 5 |
| (25) | Muzzle Flash                  | 1 - Very Harsh<br>2 - Harsh<br>3 - Acceptable<br>4 - Light<br>5 - Very Light                           | (25) | 1 | 2 | 3 | 4 | 5 |
| (26) | Grip Finish                   | 1 - Very Uncomfortable<br>2 - Uncomfortable<br>3 - Moderate<br>4 - Comfortable<br>5 - Very Comfortable | (26) | 1 | 2 | 3 | 4 | 5 |
| (27) | Disassembly                   | 1 - Very Difficult<br>2 - Difficult<br>3 - Moderate<br>4 - Easy<br>5 - Very Easy                       | (27) | 1 | 2 | 3 | 4 | 5 |
| (28) | Reassembly                    | 1 - Very Difficult<br>2 - Difficult<br>3 - Moderate<br>4 - Easy<br>5 - Very Easy                       | (28) | 1 | 2 | 3 | 4 | 5 |

Additional Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(Attach additional pages if necessary)



## CALIFORNIA HIGHWAY PATROL

### NINE MILLIMETER SEMIAUTOMATIC PISTOL FIELD EVALUATION - FIRING RANGE CONTROL SHEET

#### INTRODUCTION:

In order to analyze the responses of the evaluation subjects, it is incumbent that the Area/Division Pistol Coordinators sort and compile the questionnaires.

The purpose of this control sheet is to facilitate the data analysis for the final report.

#### INSTRUCTIONS:

- Do not combine totals from different models of pistols. Submit a control sheet for each model.
- The control sheets must be completed after each set of questionnaires is completed by the test subjects.
- Batch and submit control sheets, with questionnaires, directly to Operational Planning Section, no later than the tenth day after each range session. Retain one copy of each questionnaire and control sheet in the Area.
- If narrative comment is necessary for any critical category, utilize the "comments" space below each tally line. Attach extra pages if necessary.

COMMAND NAME: \_\_\_\_\_ AREA CODE: \_\_\_\_\_

PISTOL COORDINATOR NAME: \_\_\_\_\_ ID# \_\_\_\_\_

RANGE PHASE (Initial or requalifying): \_\_\_\_\_

PISTOL BRAND: \_\_\_\_\_ MODEL: \_\_\_\_\_

\_\_\_\_\_

(Continued on next page)

## FIRING RANGE CONTROL SHEET

### INTRODUCTORY RESPONSES

(A) # of Test Subjects: \_\_\_\_\_

(B) # of Total Rounds Fired: \_\_\_\_\_

(C) # of Total Misfires: \_\_\_\_\_

Comments: \_\_\_\_\_

(D) # of Total Jams: \_\_\_\_\_

Comments: \_\_\_\_\_

### RANGE EVALUATIONS

(3) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(4) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(5) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(6) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(7) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(8) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

9) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(10) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(Continued on next page)

## FIRING RANGE CONTROL SHEET

- (11) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (12) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (13) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (14) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (15) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (16) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (17) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (18) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (19) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (20) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (21) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (22) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_

(Continued on next page)

## FIRING RANGE CONTROL SHEET

(23) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(24) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(25) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(26) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(27) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(28) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

## **ANNEX G**

### **ON-DUTY CARRY QUESTIONNAIRE AND CONTROL SHEET**

# CALIFORNIA HIGHWAY PATROL

## NINE MILLIMETER SEMIAUTOMATIC PISTOL FIELD EVALUATION - ON-DUTY CARRY QUESTIONNAIRE

**INTRODUCTION:** In order to more fully evaluate the test pistol you have been carrying, this questionnaire addresses those overall characteristics of the weapon which cannot be ascertained at the shooting range.

### **INSTRUCTIONS:**

- This questionnaire shall be completed by all employees who participate in the field evaluation of 9mm pistols.
- Complete a copy of this questionnaire immediately before returning each test pistol.
- Return this questionnaire immediately after completion to the designated Area/Division Pistol Coordinator.
- Area/Division Pistol Coordinators shall batch the original questionnaires and control sheets, and route them directly to Operational Planning Section no later than the tenth day after each non-initial range session. Coordinators shall also retain one copy of each completed questionnaire and control sheet in the Area.

### **PRINT IN UPPER CASE ONLY**

LAST NAME: \_\_\_\_\_ FIRST NAME: \_\_\_\_\_ ID#: \_\_\_\_\_

LOCATION CODE: \_\_\_\_\_ DATE: \_\_\_\_\_ RIGHT OR LEFT HANDED: \_\_\_\_\_ SEX: \_\_\_\_\_

TEST WEAPON BRAND: \_\_\_\_\_ MODEL: \_\_\_\_\_ SERIAL NUMBER: \_\_\_\_\_

### **ANSWERS**

(1) Since qualifying,  
you have carried this  
weapon the following  
number of shifts in  
uniform.

1 - 36 or More Shifts  
2 - 26 to 35 Shifts  
3 - 16 to 25 Shifts  
4 - 6 to 15 Shifts  
5 - 5 or Less Shifts

(1) 1 2 3 4 5

Holster Brand: \_\_\_\_\_ Model: \_\_\_\_\_

## ON-DUTY CARRY QUESTIONNAIRE

### ANSWERS

- (2) Since qualifying, you have carried this weapon the following number of shifts on duty, out of uniform.
- 1 - 36 or More Shifts  
2 - 26 to 35 Shift  
3 - 16 to 25 Shifts  
4 - 6 to 15 Shifts  
5 - 5 or Less Shifts
- (2) 1 2 3 4 5
- Holster Brand (If Applicable): \_\_\_\_\_ Model: \_\_\_\_\_
- (3) Since qualifying, you have fired this weapon at a firing range on the following number of occasions.
- 1 - Four or More Times  
2 - Three Times  
3 - Twice  
4 - Once  
5 - None
- (3) 1 2 3 4 5
- (4) Number of enforcement stops in which you unholstered the weapon.
- 1 - 7 or More times  
2 - 5 to 6 Times  
3 - 3 to 4 Times  
4 - 1 to 2 Times  
5 - None
- (4) 1 2 3 4 5
- (5) Ease of unholstering at any time.
- 1 - Very Easy  
2 - Easy  
3 - Moderate  
4 - Difficult  
5 - Very Difficult
- (5) 1 2 3 4 5
- (6) Ease of reholstering, at any time.
- 1 - Very Easy  
2 - Easy  
3 - Moderate  
4 - Difficult  
5 - Very Difficult
- (6) 1 2 3 4 5
- (7) Unsolicited comments from peace officers of allied agencies.
- 1 - Very Favorable  
2 - Favorable  
3 - Neutral or None  
4 - Unfavorable  
5 - Very Unfavorable
- (7) 1 2 3 4 5
- (8) Unsolicited comments from other citizens (over age 18).
- 1 - Very Favorable  
2 - Favorable  
3 - Neutral or None  
4 - Unfavorable  
5 - Very Unfavorable
- (8) 1 2 3 4 5

(Continued on next page)

## ON-DUTY CARRY QUESTIONNAIRE

### ANSWERS

- |      |   |  |      |   |   |   |   |   |
|------|---|--|------|---|---|---|---|---|
| (9)  | Carrying comfort,<br>standing.  | 1 - Very Comfortable<br>2 - Comfortable<br>3 - Acceptable<br>4 - Uncomfortable<br>5 - Very Uncomfortable | (9)  | 1 | 2 | 3 | 4 | 5 |
| (10) | Carrying comfort,<br>walking.   | 1 - Very Comfortable<br>2 - Comfortable<br>3 - Acceptable<br>4 - Uncomfortable<br>5 - Very Uncomfortable | (10) | 1 | 2 | 3 | 4 | 5 |
| (11) | Carrying comfort,<br>sitting in vehicle.                                  | 1 - Very Comfortable<br>2 - Comfortable<br>3 - Acceptable<br>4 - Uncomfortable<br>5 - Very Uncomfortable | (11) | 1 | 2 | 3 | 4 | 5 |
| (12) | Carrying comfort,<br>sitting in chairs.                                   | 1 - Very Comfortable<br>2 - Comfortable<br>3 - Acceptable<br>4 - Uncomfortable<br>5 - Very Uncomfortable | (12) | 1 | 2 | 3 | 4 | 5 |
| (13) | Carrying comfort of<br>magazine pouch (under<br>all conditions).          | 1 - Very Comfortable<br>2 - Comfortable<br>3 - Acceptable<br>4 - Uncomfortable<br>5 - Very Uncomfortable | (13) | 1 | 2 | 3 | 4 | 5 |
| (14) | Accessibility (placement)<br>of magazine pouch (under<br>all conditions). | 1 - Very Convenient<br>2 - Convenient<br>3 - Moderate<br>4 - Inconvenient<br>5 - Very Inconvenient       | (14) | 1 | 2 | 3 | 4 | 5 |
| (15) | Weapon accidentally<br>coming out of holster.                             | 1 - Not At All<br>2 - 1 to 2 Times<br>3 - 3 to 4 Times<br>4 - 5 to 6 Times<br>5 - 7 or More Times        | (15) | 1 | 2 | 3 | 4 | 5 |

(Continued on next page)



## ON-DUTY CARRY QUESTIONNAIRE

### ANSWERS

- |      |  |  |      |   |   |   |   |   |
|------|--|--|------|---|---|---|---|---|
| (16) | Weapon holster accidentally coming unsnapped.  | 1 - Not At All<br>2 - 1 to 2 Times<br>3 - 3 to 4 Times<br>4 - 5 to 6 Times<br>5 - 7 or More Times        | (16) | 1 | 2 | 3 | 4 | 5 |
| (17) | Magazine accidentally released from weapon.  | 1 - Not At All<br>2 - 1 to 2 Times<br>3 - 3 to 4 Times<br>4 - 5 to 6 Times<br>5 - 7 or More Times        | (17) | 1 | 2 | 3 | 4 | 5 |
| (18) | Magazine accidentally falling from pouch.  | 1 - Not At All<br>1 - 1 to 2 Times<br>3 - 3 to 4 Times<br>4 - 5 to 6 Times<br>5 - 7 or More Times        | (18) | 1 | 2 | 3 | 4 | 5 |
| (19) | Based on your on-duty experiences with the weapon, how would you rate it for off-duty carry based on <u>weight</u> . | 1 - Very Comfortable<br>2 - Comfortable<br>3 - Acceptable<br>4 - Uncomfortable<br>5 - Very Uncomfortable | (19) | 1 | 2 | 3 | 4 | 5 |
| (20) | Same as #19, based on <u>physical dimensions</u> .   | 1 - Very Comfortable<br>2 - Comfortable<br>3 - Acceptable<br>4 - Uncomfortable<br>5 - Very Uncomfortable | (20) | 1 | 2 | 3 | 4 | 5 |

Additional Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(Attach additional pages as necessary)

# CALIFORNIA HIGHWAY PATROL

## NINE MILLIMETER SEMIAUTOMATIC PISTOL FIELD EVALUATION - ON-DUTY CARRY CONTROL SHEET

### INTRODUCTION:

In order to analyze the responses of the evaluation subjects, it is incumbent that the Area/Division Pistol Coordinators sort and compile the questionnaires.

The purpose of this control sheet is to facilitate the data analysis for the final report.

### INSTRUCTIONS:

- Do not combine totals from different models of pistols. Submit a control sheet for each model.
- The control sheets must be completed after each set of questionnaires is completed by the test subjects.
- Batch and submit control sheets, with questionnaires, directly to Operational Planning Section, no later than the tenth day after each non-initial range session. Retain one copy of each questionnaire and control sheet in the Area.
- If narrative comment is necessary for any critical category, utilize the "comments" space below each tally line. Attach extra pages if necessary.

COMMAND NAME: \_\_\_\_\_ AREA CODE: \_\_\_\_\_

PISTOL COORDINATOR NAME: \_\_\_\_\_ ID# \_\_\_\_\_

PISTOL BRAND: \_\_\_\_\_ MODEL: \_\_\_\_\_

HOLSTER BRAND: \_\_\_\_\_ MODEL: \_\_\_\_\_

COMMENTS ON HOLSTERS (If any): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## ON-DUTY CARRY CONTROL SHEET

COMMAND NAME: \_\_\_\_\_ AREA CODE: \_\_\_\_\_

PISTOL COORDINATOR NAME: \_\_\_\_\_ ID# \_\_\_\_\_

PISTOL BRAND: \_\_\_\_\_ MODEL: \_\_\_\_\_

HOLSTER BRAND: \_\_\_\_\_ MODEL: \_\_\_\_\_

COMMENTS ON HOLSTERS (If any): \_\_\_\_\_

### RESPONSES

(1) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(2) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(3) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(4) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(5) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(6) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(7) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(8) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(9) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_

Comments: \_\_\_\_\_

(Continued on next page)

### ON-DUTY CARRY CONTROL SHEET

- (10) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (11) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (12) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (13) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (14) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (15) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (16) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (17) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (18) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (19) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_
- (20) Total Score: \_\_\_\_\_ + # of Respondents: \_\_\_\_\_ = Average Score: \_\_\_\_\_  
Comments: \_\_\_\_\_

# **ANNEX H**

## **WEAPONS COMPARISON QUESTIONNAIRE AND CONTROL SHEET**

# CALIFORNIA HIGHWAY PATROL

## 9MM SEMIAUTOMATIC PISTOL FIELD EVALUATION

### WEAPONS COMPARISON QUESTIONNAIRE

**INTRODUCTION:** This questionnaire will assist the Department in selecting the most appropriate 9mm pistol(s) for use by CHP officers. To facilitate your recollection of each weapon's characteristics, you are requested to review your responses to the "Firing Range" and "On-Duty" questionnaires.

#### INSTRUCTIONS:

All employees who participate in the field evaluation of 9mm pistols shall complete this questionnaire.

If you were absent during the evaluation period of any of the test weapons, leave the particular space blank in the heading.

Respondents shall return the questionnaire to the designated Area/Division Pistol Coordinator immediately after completion.

Area/Division Pistol Coordinators shall batch the original questionnaires and route them directly to Operational Planning Section no later than the tenth day after the respondents have completed the forms. Coordinators shall also retain one copy of each completed questionnaire.

Utilize the following sequential codes for weapons comparisons:

#### AREA COMMAND

- A) S & W 659
- B) SIG P226
- C) GLOCK 17
- D) H-K P7M13
- E) BERETTA 92F

#### PLAIN CLOTHES

- A) S & W 439
- B) SIG P225
- C) GLOCK 19
- D) H-K P7M8
- E) BERETTA 92F COMPACT

Enter the appropriate weapon models **IN THE REQUIRED ORDER** across the top of response columns, as illustrated below. After you have filled in the "model lines" in the heading area, rank each model in order of preference (1 through 5) for each performance factor. A ranking of "1" is the highest possible ranking and indicates that you believe the weapon is the most suitable of all models tested for the specified performance factor. Your answers should be recorded in the manner illustrated below:

EXAMPLE		S & W 659	SIG P226	GLOCK 17	H/K P7M13	BER/ 92F	(OR)	S & W 439	SIG P225	GLOCK 19	H/K P7M8	BER/ COMP
		A	B	C	D	E		A	B	C	D	E
(1)	Ease of shooting with wet hands	2	3	1	5	4		2	3	1	5	4
(2)	Resistance to corrosion	4	1	5	3	2		4	1	5	3	2

#### PRINT IN UPPER CASE ONLY

LAST NAME: \_\_\_\_\_ FIRST NAME: \_\_\_\_\_ ID#: \_\_\_\_\_

LOCATION CODE: \_\_\_\_\_ DATE: \_\_\_\_\_ RIGHT OR LEFT HANDED: \_\_\_\_\_ SEX: \_\_\_\_\_

TEST GROUP (AREA COMMAND OR PLAIN CLOTHES): \_\_\_\_\_

## WEAPONS COMPARISON QUESTIONNAIRE - FIRING RANGE

REMINDER : FIRST ENTER THE WEAPON MODELS (IN THE PROPER ORDER) INTO THE HEADING SQUARES.

	A	B	C	D	E		A	B	C	D	E
(1) Weapon Weight						(14) Accuracy					
(2) Magazine Insertion (Slide Locked Open)						(15) Double Action Trigger Pull, Finger Placement					
(3) Magazine Insertion (Slide Locked Closed)						(16) Double Action Trigger Pull, Effort					
(4) Magazine Release Placement						(17) Single Action Trigger Pull, (If Applicable), Finger Placement					
(5) Magazine Release Effort						(18) Single Action Trigger Pull, (If Applicable), Effort					
(6) Slide Release Placement						(19) Recoil Reduction					
(7) Slide Release Effort						(20) Recovery Time					
(8) Slide Operation Effort (Manually)						(21) One Hand Un- supported Shooting					
(9) Decocking Lever Placement						(22) Muzzle Flash Reduction					
(10) Decocking Lever Effort						(23) Grip Finish					
(11) Safety Placement (If applicable)						(24) Disassembly					
(12) Safety Effort (If applicable)						(25) Reassembly					
(13) Sight Pickup						(26) Best Weapon Over-All					

## WEAPONS COMPARISON QUESTIONNAIRE - ON-DUTY CARRY

REMINDER : FIRST ENTER THE WEAPON MODELS (IN THE PROPER ORDER) INTO THE HEADING SQUARES.

	A	B	C	D	E		A	B	C	D	E		
(1) Ease of Unholstering													
(2) Ease of Reholstering													
(3) Carrying Comfort, Standing													
(4) Carrying Comfort, Sitting in Vehicle													
(5) Carrying Comfort Sitting In Chairs													
(6) Carrying Comfort of Magazine Pouch													
(7) Accessibility Placement of Magazine Pouch													
(8) Security of Magazine In Weapon													
(9) Security of Weapon In Holster													
(10) Security of Magazine In Pouch													
(11) Suitability for Off-Duty Carry													



# CALIFORNIA HIGHWAY PATROL

## NINE MILLIMETER SEMIAUTOMATIC PISTOL FIELD EVALUATION

### WEAPONS COMPARISON CONTROL SHEET

**INTRODUCTION:** In order to analyze the responses of the evaluation subjects, it is imperative that Area/Division Pistol Coordinators sort and compile the questionnaires.

The purpose of this control sheet is to facilitate the data analysis for the final report.

**INSTRUCTIONS:** Unlike the previous control sheets, you must combine all questionnaire responses on this control sheet.

The control sheets must be prepared after each set of questionnaires is completed by the test subjects.

Batch and submit control sheets, with questionnaires, directly to Operational Planning Section no later than the tenth day after the comparison session which concludes the evaluation. Retain one copy of each questionnaire and control sheet in the Area.

If narrative comment is necessary for any critical category, utilize the "comments" space below each tally line. Attach extra pages as necessary.

Add the individual score ratings for each weapon, for every question. Enter the total number per column under each model, as illustrated below:

			S & W	S I G	G L O C K	H / K	B E R
			6	P	K	P	9
			5	2		7	2
			9	2	1	M	F
				6	7	1	3
			A	B	C	D	E
(1)	Ease of shooting with wet hands	10	20	30	10	50	40
(2)	Resistance to corrosion	10	40	10	50	30	20

OR

			S & W	S I G	G L O C K	H / K	B E R
			4	P	K	P	C
			3	2		7	O
			9	2	1	M	M
				5	9	8	P
			A	B	C	D	E
			20	30	10	50	40
			40	10	50	30	20

AVERAGE SCORE (RATING ÷ # RESPONDENTS)					
A	B	C	D	E	
2	3	1	5	4	
4	1	5	3	2	

COMMAND NAME: \_\_\_\_\_ AREA CODE: \_\_\_\_\_

PISTOL COORDINATOR NAME: \_\_\_\_\_ ID # \_\_\_\_\_

COMPLETION DATE OF THIS CONTROL SHEET: \_\_\_\_\_

# WEAPONS COMPARISON CONTROL SHEET

## FIRING RANGE

**CAUTION:** USE THE APPLICABLE COLUMN

		S & W  6 5 9	S I G  P 2 2 6	G L O C K  1 7	H K  P 7 M 1 3	B E R E T T A  9 2 F	S & W  4 3 9	S I G  P 2 2 5	G L O C K  1 9	H K  P 7 M 8	B E R  C O M P A C T	AVERAGE SCORE (RATING + # RESPONDENTS)				
NUMBER OF RESPONDENTS ↓		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
(1)																
(2)																
(3)																
(4)																
(5)																
(6)																
(7)																
(8)																
(9)																
(10)																
(11)																

# WEAPONS COMPARISON CONTROL SHEET

## FIRING RANGE

**CAUTION:** USE THE APPLICABLE COLUMN

		S & W  6 5 9	S I G  P 2 2 6	G L O C K  1 7	H K  P 7 M 1 3	B E R E T T A  9 2 F	S & W  4 3 9	S I G  P 2 2 5	G L O C K  1 9	H K  P 7 M 8	B E R  C O M P A C T	AVERAGE SCORE (RATING + # RESPONDENTS)				
NUMBER OF RESPONDENTS ↓		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
(12)																
(13)																
(14)																
(15)																
(16)																
(17)																
(18)																
(19)																
(20)																
(21)																
(22)																

# WEAPONS COMPARISON CONTROL SHEET

## FIRING RANGE

**CAUTION:** USE THE APPLICABLE COLUMN

		S & W  6 5 9	S I G  P 2 2 6	G L O C K  1 7	H K  P 7 M 1 3	B E R E T T A  9 2 F
NUMBER OF RESPONDENTS ↓  (23)  (24)  (25)		A	B	C	D	E

		S & W  4 3 9	S I G  P 2 2 5	G L O C K  1 9	H K  P 7 M 8	B E R  C O M P A C T
		A	B	C	D	E

AVERAGE SCORE (RATING + # RESPONDENTS)				
A	B	C	D	E

# WEAPONS COMPARISON CONTROL SHEET

## ON-DUTY CARRY

**CAUTION:** USE THE APPLICABLE COLUMN

		S & W  6 5 9	S I G  P 2 2 6	G L O C K  1 7	H K  P 7 M 1 3	B E R E T T A  9 2 F	S & W  4 3 9	S I G  P 2 2 5	G L O C K  1 9	H K  P 7 M 8	B E R  C O M P A C T	AVERAGE SCORE (RATING + # RESPONDENTS)				
NUMBER OF RESPONDENTS ↓		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
(1)																
(2)																
(3)																
(4)																
(5)																
(6)																
(7)																
(8)																
(9)																
(10)																
(11)																

# **ANNEX I**

**CLEARING BARREL**

## CLEARING BARREL

